

### Course Will Be Offered

An addition to the language department at Harbor College this fall will be a second semester course in Russian. The course is a continuation of the elementary Russian class begun last year. A new elementary class will be formed.

Mrs. Irene R. Rydelek will teach the class, which will meet from 6:30 to 9:30 Tuesday evenings, and from 6:30 to 8:30 p.m. on Thursdays. The class is acceptable for Slavic language credit at UCLA.

Mrs. Rydelek taught the first

Russian classes at South High School. Her Harbor College class will concentrate on oral instruction and written composition.

Both the beginning and advanced classes are four units.

Antiques, flowers, art, wines, livestock and agriculture will be among dozens of displays featuring something for the whole family at the California State Fair and Exposition, Aug. 28 through Sept. 9, in Sacramento.

## Mechanics of State Polio Immunization Law Explained

By K. H. SUTHERLAND, M.D., Los Angeles Health Officer

Many parents planning to enroll their children in school this fall will encounter for the first time the state law requiring immunization against polio before admission to school. Indications are, by the number of inquiries received by the Los Angeles Health Department, that parents are sometimes confused in their efforts to comply with this requirement.

Actually, the basic requirement is simple to understand.

For unconditional admission to school a pupil must have completed the full immunization series of either the Salk polio vaccine or the Sabin polio vaccine. However, a pupil may be admitted to school if one dose of either vaccine has been administered, on the condition that the full immunization series will be completed within a period of one year.

**THE PROBLEM** for most parents seems to stem from the fact that there are two safe and effective vaccines to prevent paralytic polio and that both the Salk type and the Sabin type vaccine given in the prescribed manner will satisfy the law.

Also somewhat confusing was the recommendation during recent polio immunization programs that all persons, even those who had completed the full Salk series, should avail themselves of the Sabin-type oral vaccine.

While the Salk-type vaccine and the Sabin-type vaccine have certain similarities, they are distinctively different in certain characteristics. Both the Salk and the Sabin vaccines are effective because they have the ability to stimulate the body to produce antibodies which protect against the polio viruses. But here the similarity ends.

**THE SALK** vaccine, which is given by injection, contains killed polioviruses of all three types of polio virus. Therefore each injection of the vaccine provides increasing protection against all three types of polio viruses. To obtain full

immunization from Salk vaccine, three injections are needed, with a prescribed interval of time between each injection. An annual booster injection each year is recommended.

Upon being injected into the body, the Salk vaccine stimulates the production of antibodies which are then carried in the blood stream. With these antibodies present, invading polioviruses are destroyed before reaching the nerve cells. However, the Salk vaccine does not prevent polio viruses from

surviving and multiplying in the cells of the intestinal tract. Therefore although the individual immunized with the Salk vaccine has protected himself against the disease, he can spread the disease to his family, friends, and to others in the community because the polioviruses in the intestinal tract are not destroyed.

The Sabin vaccine, which is taken by mouth, contains a live weakened strain of poliovirus that can no longer produce paralytic polio.

**THE SABIN** vaccine enters the intestinal tract when swallowed, where the virus multiplies and stimulates the production of antibodies in the blood stream, as happens in a natural infection.

With the Sabin vaccine, the live weakened virus growing in the cells of the intestinal tract prevents the establishment of any wild strain of poliovirus that could produce paralytic polio. Thus, the antibodies in the blood stream protect the individual against the disease, and their growth in the intestinal tract safeguards against the possibility of spreading poliomyelitis to others.

Although the Sabin vaccine is usually considered as one vaccine it is in fact three different vaccines. Therefore to obtain full immunization with the oral vaccine it is necessary to receive one dose of each vaccine, with a prescribed interval of time between each dose. Type I vaccine protects against Type I poliovirus, Type II vaccine protects against Type II poliovirus, and Type III vaccine protects against Type III poliovirus.

**SO FAR** this year only two cases of paralytic polio have been reported in Los Angeles County. This is the lowest incidence of this disease ever experienced here. While no definite conclusions can be drawn at this time, it might well be hoped that paralytic polio is on the way to becoming a disease of minor public health importance as a result of the use of Salk and Sabin vaccines.

However, this goal can only be maintained by the public recognition of the need for a continuing program of immunization. Because of the greater individual and community benefits afforded, and the ease of administration, the Sabin oral vaccine would appear to be the vaccine that the majority of parents will probably request for their children. However, if a child has taken the full series of Salk vaccine, it would not be necessary to obtain the Sabin series for school admission.

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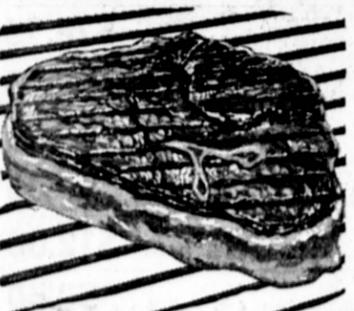
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### Traffic Light Funds Approved For Carson Area

Supervisors this week authorized the expenditure of \$2,500 to modernize the traffic signals at Carson Street and Vermont Avenue.

The project will include the installation of an impact detector at the west Carson Street approach, as well as on the south Vermont Avenue approach.

The improvements were made necessary because of increased traffic at the intersection, which now adjoins Harbor General Hospital.

### National Supply President Dies

Arthur W. McKinney, retired president of the National Supply Co. (now a division of Armco Steel Corp.) died at his home in Pittsburgh, Pa., Aug. 2.

McKinney began his career as a salesman with the National Supply Co. in 1920. He became president of the company in 1954, and served until his retirement in 1960.

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